

What is claimed is:

1. A method for preparing a photoresist composition, comprising filtering a photoresist composition with a filter having a mean pore size of less than about 0.40 micron.
2. The method of claim 1 wherein the mean pore size is about 0.2 microns or less.
3. The method of claim 1 wherein the filter comprises a polyamide filter membrane.
4. The method of claim 3 wherein the filter has a mean pore of about 0.03 or less.
5. The method of claim 1 wherein the filter membrane comprises a polypropylene material.
6. The method of claim 1 wherein the photoresist is a chemically-amplified positive resist composition.
7. A method for preparing a photoresist composition, comprising filtering a photoresist composition through a filter having a pore size of less than about 0.4 microns.
8. The method of claim 7 wherein the filter membrane comprises a Nylon material.
9. The method of claim 8 wherein the filter membrane has a mean pore size of about 0.03 microns or less.

10. The method of claim 7 wherein the filter membrane comprises a polypropylene material.
11. A method for preparing an organic antireflective coating composition for use with an overcoated photoresist composition, comprising filtering an organic coating composition with a filter having a mean pore size of less than about 0.4 micron.
12. The method of claim 11 wherein the filter membrane comprises a Nylon material.
13. The method of claim 12 wherein the filter has a mean pore size of about 0.03 microns or less.
14. The method of claim 12 wherein the filter has a mean pore size of about 0.02 microns or less.
15. A photoresist comprising a photoactive component and a resin, the photoresist obtainable by filtering the photoresist with a polyamide filter having a mean pore size of less than about 0.04 micron.
16. An organic antireflective coating composition for use with an overcoated photoresist composition, the antireflective composition obtainable by filtering the antireflective composition with a filter having a mean pore size of less than about 0.4 micron.
17. The antireflective composition of claim 16 wherein the filter comprises a polyamide material.

18. The antireflective composition of claim 16 wherein the filter comprises a Nylon membrane.